



# St. Xavier's College

Dr. Camil Bulcke Path, Ranchi

## Faculty Profile

<b>Name of Faculty Member</b>	:	<b>Dr. Sandeep Chandra</b>
Gender	:	Male
Email ID	:	sandeepchandra@sxcran.org
Name of Department	:	Department of Geography
Designation	:	Assistant Professor
Level of Teaching	:	Undergraduate and Postgraduate
Academic Qualification	:	M.A., Ph. D.
Total Teaching Experience	:	12 Years and 5 Months
UGC NET/SET Qualified	:	Yes

### **Research Papers Published:**

- 1) Chandra, S. & Verma S (2023). **Spatio-Temporal Pattern of Scheduled Tribe Population Concentration in North Chotanagpur Division, Jharkhand**, *The Geographical Observer*, Vol. 52, page- 65-82, 2022 ISSN-0072-0925, US Library Congress Control No. Sa68004330
- 2) Shrivastava, R. R., & Chandra, S. (2017). **Study of Land Transformation using Geospatial Techniques : A temporal analysis of Ranchi Municipal Area, Jharkhand**. *Journal of the Foundation of Practising Geographers* , 20 (2), 16-30.
- 3) Chandra, S. (2017). **Development induced Land Transformation in Ramgarh block, Ramgarh, Jharkhand**. *Geographical Outlook* (XXV), 98-109. ISSN- 0433-4515
- 4) Chandra, S., & Shrivastava, R. R. (2016). **Impact study of surface coal mining on land use land cover and its natural environment using geospatial technique of Ara-Barughutu region, Ramgarh**. *Geographical Outlook* , XXIV, 23-33. ISSN- 0433-4515

- 5) Chandra, S. (2012). **Environments and Health Hazards of Phthalate** (Di- N- Butyl Phthalate) Present in Plastics *Plastics American Eurasian Journal of Toxicological Sciences Issue-4, ISSN- 2079-2050, Page- 170-174*

**Participation in UGC-HRDC Course/FDP/OC/RC:**

- 1) Participated in and successfully completed the **UGC-Sponsored Inter/Multi-Disciplinary Refresher Course in Forecasting Social Unrest Cliodynamics** organized by Academic staff college, Ranchi university, Ranchi from 07.12.2023 to 20.12.2023
- 2) Participated and successfully completed IIRS outreach program on “**Overview of Geoprocessing using Python**” from 17th to 28th Jan 2022 organized by IIRS, ISRO, Dehradun
- 3) Participated in and successfully completed the **UGC Approved Short Term Professional Development Programme Under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching- Professional Development Programme on ‘Implementation of NEP 2020 for University and College Teachers’ held from 09 to 17 September, 2022.**
- 4) Participated and successfully completed IIRS outreach program on “**Geo-informatics for Biodiversity Conservation Planning**” 6th Dec to 17th Dec 2021 organized by IIRS, ISRO, Dehradun
- 5) **Refresher course-** Participated in **Refresher course in Earth Sciences (Geography and Geology)** Programme organized by Academic staff college, Ranchi university, Ranchi from 4<sup>th</sup> to 17<sup>th</sup> August 2021
- 6) Participated and successfully completed Faculty Development programme on **ICT-TLE** organized by Dept of Geography and IQAC, SXC from 12th April to 18th April 2021
- 7) Participated and successfully completed **Basics of Remote Sensing Geographical Information System and Global Navigation Satellite System** from 17th Aug to 20th Nov, 2020, organized by IIRS, ISRO, Dehradun
- 8) Participated and successfully completed Online NNRMS course on **Remote Sensing & GIS Technology and Applications for University Teachers & Government Officials** from 13th June to 1st July, 2020, organized by IIRS, ISRO, Dehradun from 26th May to 30th May, 2020.

- 9) Participated and successfully completed IIRS outreach program on **"Health GIS: Geoinformatics for COVID19"** by IIRS, ISRO, Dehradun 15th June to 19th June 2020
- 10) Participated and successfully completed IIRS outreach program on **Basics of SAR Remote Sensing** by IIRS, ISRO, Dehradun from 26th May to 30th May, 2020
- 11) Participated in IIRS (ISRO) NNRMS sponsored **two-month long training course** from 05 May - 28 June 2014, Dehradun in **Remote sensing and GIS in Soil and Agriculture**
- 12) Participated in 70<sup>th</sup> **Orientation Programme** organized by Academic staff college, Ranchi university, Ranchi from 25<sup>th</sup> to 22<sup>nd</sup> December 2012.

**Seminar/Conference attended/ Paper presented (National/International):**

- 1) Presented paper titled **"temporal pattern and trend of rainfall and temperature of Ranchi between the year 1980-85 and 2015-20"** in the Two-day XXIVth annual conference and national seminar on Climatic Vulnerability: Challenges to physical landscape and human response on 4<sup>th</sup> and 5<sup>th</sup> November 2023.
- 2) Presented paper titled **"Freshwater pearl culture: A blooming sector in aquaculture practices in India"** in the International Conference on Environment, Aquaculture and Sustainable Agriculture held at St. Xavier's College, Ranchi on 22- 24th September, 2023.
- 3) Presented paper titled **"Need for collaborative research in monitoring and mitigating environmental degradation and Climate change"** in the Two-day national conference on Climate change: Challenges and Opportunities from 25<sup>th</sup> to 26 May 2023.
- 4) Participated and Presented a paper in the International Geographical Union (IGU) conference on Geoinformatics for Biodiversity and Climate Change entitled **"Land use land cover change and its impact on biodiversity: A case study of Ramgarh Mining region"**; Organized by Department of Geography, MDU, Rohtak, 2013.
- 5) Presented paper **"Mining and degradation of physical environment of Jharkhand"** in a National Seminar on Urbanisation and Changing State of Environment held in St. Xavier's College, Ranchi from 24<sup>th</sup> - 25<sup>th</sup> Sept, 2012.

- 6) Presentation of research paper titled as “**Vulnerability in mining region: Ramgarh coal field**” in the annual congress of National Association of Geographers, India at Patna University, Patna from 2<sup>nd</sup> - 4<sup>th</sup> Nov 2012.

#### **Experience of Ph. D. Guidance:**

1. Registered Ph.D. scholar, Sujata Kumari on the topic- गोड्डा जिले में जनसँख्या की गत्यामकता: एक भौगोलिक विश्लेषण, **Date of Registration-** 11.10.2023, **work in Progress**
2. Registered Ph.D. scholar, KUMARI PRIYA on the topic - Transport Network Analysis and Regional Development of Hazaribag District, Jharkhand, **Date of Registration-** 08.09.2023, **work in Progress**
3. Registered Ph.D. scholar, ARITRA MONDAL on the topic - ROLE OF AQUACULTURE IN SOCIO-ECONOMIC DEVELOPMENT OF EAST SINGHBHUM, **Date of Registration-** 12.09.2023, **work in Progress**
4. Registered Ph.D. scholar, Barkha Bodra on the topic- दलमा वन्यजीव अभ्यारण्य पर पारिस्थितिकी- पर्यटन का प्रभाव: एक भौगोलिक अध्ययन; **Date of Registration-** 20.01.2023, **work in Progress,**
5. Registered Ph.D. scholar, Akanksha on the topic- COALFIRE INDUCED DISPLACEMENT AND REHABILITATION IN JHARIA COALFIELD: A STUDY IN SOCIAL GEOGRAPHY., Date of Registration- 20.01.2023, **work In Progress,**
6. Registered Ph.D. scholar, Sonam Verma on the topic- Exploitation of natural resources (Forest and Mineral Resources) and its impact on tribal life of North Chhotanagpur Division of Jharkhand (1992-2017), **Date of Registration-** 25.05.2019, **In Progress,**

#### **Any Special Award/Achievement:**

- 1) Completed Minor Research Project (MRP)- a minor research project on “State of Environment in Mining region: A Case Study of Ramgarh coalfield” funded by UGC-ERO Kolkata, 2013-15
- 2) Life membership of Professional association-
  - AGBJ (Association of Geographers of Bihar and Jharkhand)- LM 1334 from Nov 2023

- INCA (Indian National Cartographic Association), Hyderabad, LM no- 3135 from Nov 2023
- Foundation of Practicing Geographers, Kolkata- LM 268 from Oct, 2016
- ISRS (Indian society of Remote Sensing), IIRS, Dehradun, LM L4342, from June 2014
- NAGI (NATIONAL ASSOCIATION OF GEOGRAPHERS, INDIA) LM- 2017, from year-2012

[Dr. Sandeep Chandra]